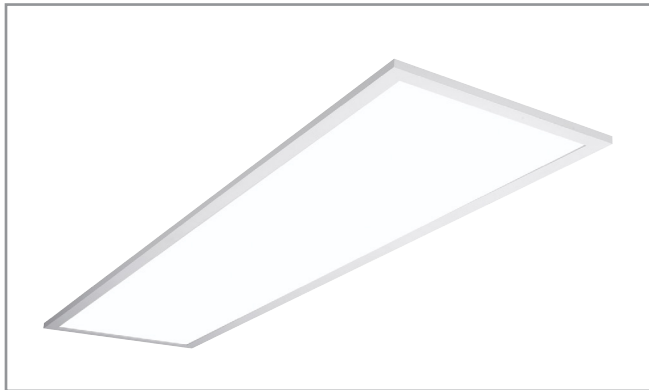


Project		Catalog #		Type	
Prepared by		Notes		Date	



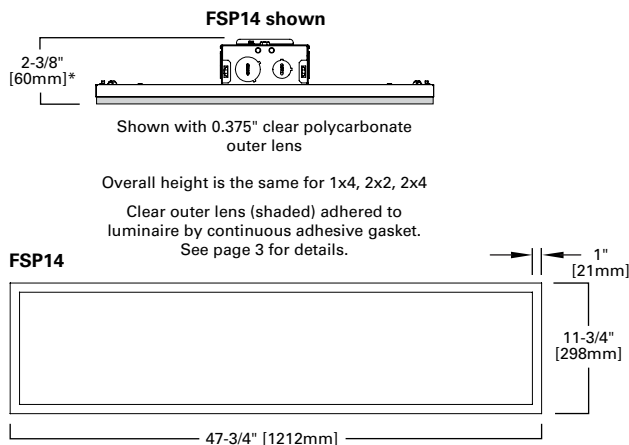
### Interactive Menu

- Order Information [page 2](#)
- Photometric Data [page 3](#)
- Performance [page 4](#)
- Product Warranty

### Top Product Features

- Fully luminous luminaire for use in high abuse, medical, wet location, and sterile applications
- NSF listed for use in food service/food processing applications – easy cleaning and wipe-down
- Less than 2-1/2" deep for use in shallow plenums
- Clear polycarbonate outer lens for use in **behavioral/mental health** applications - **Ligature resistant**.
- Wet location standard / IP65 and IP66 available for water and dust ingress protection
- Suitable for use in ISO3-9 environments
- For use in BSL1-4 environments and acceptable for use in USP 797/800 compliant applications
- Rated to 50°C ambient applications, standard
- IK10 with polycarbonate lens, any thickness
- Mental Health Compliant with MHC option

### Dimensional and Mounting Details



## Fail-Safe

### FSP

Fail-Safe Sealed Panel  
 Clear Outer Lens/Frosted Inner Lens  
 Healthcare/Behavioral Health/Wet Location  
 2 x 2 / 2 x 4 / 1 x 4

#### Typical Applications

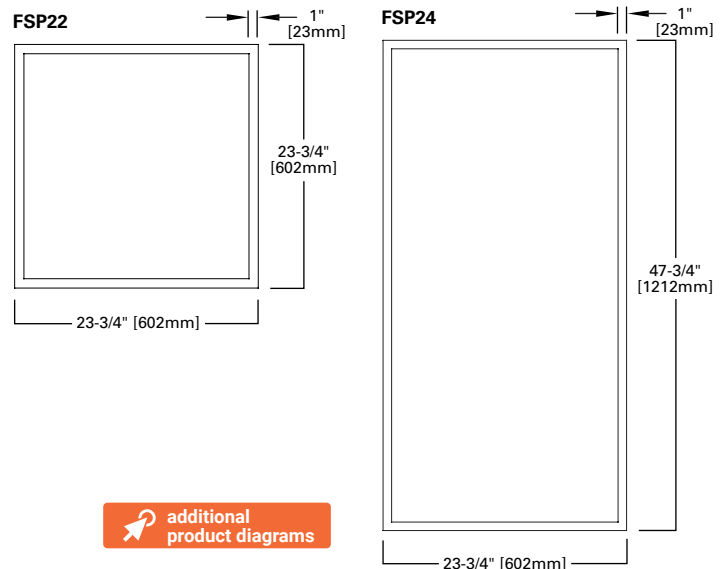
Food Processing • Pharmaceuticals • Healthcare • Behavioral Health • Research Centers  
 • Locker Rooms • Public Spaces • Restrooms • Wet Locations • Clean Rooms • Labs •  
 Canopies • High Tech Manufacturing • Food Processing • Kitchens



### Product Certification



### Product Features



additional product diagrams

## Order Information

SAMPLE ORDER NUMBER: **FSP-24-64-40-CP125**

SAMPLE ORDER NUMBER: **FSP-22-32-35-CP250-HS**

SAMPLE ORDER NUMBER: **FSP-22-64-35-CP125-MHC**

10-DAY QUICK SPEC SAMPLE ORDER NUMBER: **QS-FSP-14-42-35-CA125**

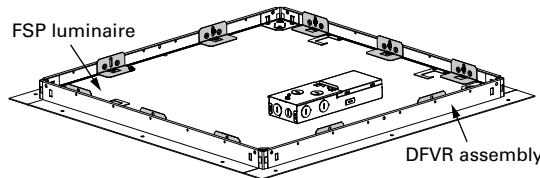
Gray bar denotes available with 10-Day Quick Spec



Domestic Preferences <sup>(1)</sup>	Fixture	Size	Output			CCT <sup>(2)</sup>	Outer Lens	Driver Type	Options
[Blank]=Standard BAA=Buy American Act TAA=Trade Agreements Act	FSP QS-FSP= Quick Spec <sup>(12)</sup>	14=1x4 22=2x2 24=2x4	1x4 42=4200 Lumens 30HE=3000 Lumens	2x2 21=2100 Lumens 25HE=2500 Lumens 32=3200 Lumens 42=4200 Lumens	2x4 31=3100 Lumens 38HE=3800 Lumens 47=4700 Lumens 64=6400 Lumens	35=3500K 40=4000K 50=5000K	CA080=Clear Acrylic (0.080" thickness) CA125=Clear Acrylic (0.125" thickness) CP125=Clear Polycarbonate (0.125" thickness) CP187=Clear Polycarbonate (0.187" thickness) CP250=Clear Polycarbonate (0.250" thickness) CP375=Clear Polycarbonate (0.375" thickness) <sup>(4)</sup>	[Blank]=10% dimming, 0-10V HCD=1% dimming, 0-10V	EL7W=7-watt, 120V-277V emergency battery pack installed <sup>(5),(8)</sup> EL14W=14-watt 120V-277V emergency battery pack installed <sup>(5),(8)</sup> IP65=Installation Brackets for IP65 Rating <sup>(6)</sup> IP66=Installation Brackets for IP66 Rating <sup>(6)</sup> HS=High Security (DFVR accessory not required with HS option) <sup>(7),(13)</sup> A3/8-4/18GDM=6' length, 3/8" cable, 2 wire, 2 dimming leads, ground A3/8-5/18GDM=6' length, 3/8" cable, 3 wire, 2 dimming leads, ground MHC=Mental Health Compliant (hard ceilings or walls only) <sup>(14)</sup>
<b>Notes</b> (1) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to <a href="#">DOMESTIC PREFERENCES</a> website for more information. Components shipped separately may be separately analyzed under domestic preference requirements	(12) 10 day ship from date of receipt of clean PO to ship date. 25 unit maximum per PO. QS is only available with shaded options.					<b>Notes</b> (2) Check Performance table for available lumen/CCT combinations.	<b>Notes</b> (4) CP375 is not compatible with the FPEQ grid clips.		<b>Notes</b> (5) With remote test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry. Remote Test Switch is not WL, NSF, or IP rated. (6) Brackets supplied to attach luminaire to the grid; which ensures robust seal between luminaire and grid. DFVR accessory ships with brackets and is IP65 and IP66 compliant. (7) HS only available with CP250 and CP375 lenses. HS option not compatible with IP65 or IP66 options. For hard ceiling application, specify the DFVR framing kit (see accessories for ordering logic). (8) EM pack is always specified before (to the left of) the flex. (13) DFVR accessory is not required for (HS) High Security option. (14) Factory installed DFVR Kit attached to the FSP (details below).

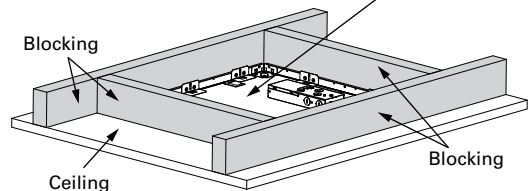
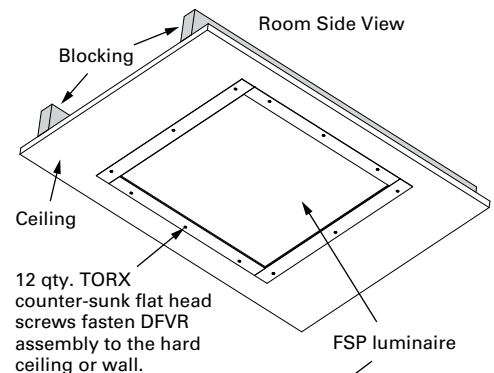
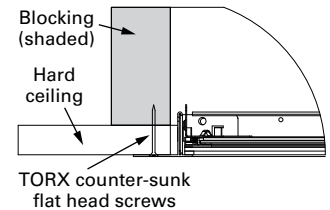
### MHC option: Mental Health Compliant

Accessories (ship separately) <sup>(11)</sup>
FPEQ=Set of mounting security clips for FSP to secure fixture to grid. Works with lenses up to 0.250" thick
DFCL-2448W-U*=2' x 4' gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 24.25" x 48.25" <sup>(9)</sup>
DFCL-2424W-U*=2' x 2' gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 24.25" x 24.25" <sup>(9)</sup>
DFCL-1248W-U*=1' x 4' gasketed drywall framing kit, ships with gasket to be applied in field. Cut out dimension 12.25" x 48.25" <sup>(9)</sup>
DFVR/FSP-2448W-U*=2' x 4' vandal resistant gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 24.25" x 48.25" <sup>(10),(14)</sup>
DFVR/FSP-2424W-U*=2' x 2' vandal resistant gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 24.25" x 24.25" <sup>(10),(14)</sup>
DFVR/FSP-1248W-U*=1' x 4' vandal resistant gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 12.25" x 48.25" <sup>(10),(14)</sup>
<b>Notes</b> *For Antimicrobial matte white finish, replace the W with AMW. ex. DFCL-1248AMW-U. (9) DFCL is used to install the FSP in hard ceiling applications. For applications requiring the FSP to be installed in a hard ceiling, the DFVR is required. (10) IP66 standard with DFVR/FSP drywall kit. (11) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. (14) DFVR not necessary with HS or MHC option.



At the factory, FSP placed in a DFVR assembly. FSP is secured to the DFVR assembly, with multiple brackets (shaded).

### Tamper resistant ScREW Detail



Position the DFVR assembly in the ceiling cut-out, and secure with multiple tamper-resistant screws; shown above.

### MENTAL HEALTH COMPLIANT FEATURES / BENEFITS

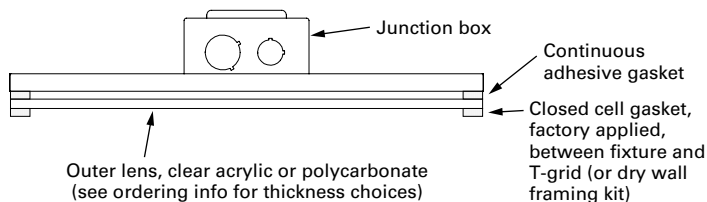
Aesthetics	Construction / Versatility	Patient Safety / Robustness	
Architectural matte white paint, standard	Wet location available (under covered ceiling)	Anti-microbial finish, available	IK10 impact resistant, standard
All countersunk fasteners on the show surface, painted matte white	Ceiling or wall mount	Flush fasteners, standard	Heavy gauge extruded aluminum frame
Custom colors available	Shipped assembled, ready for install	Tamper resistant, T20 Torx fasteners	Multiple attachment points, <= 12" spacing
		Clear bottom polycarbonate lens, 0.125" thickness minimum	



## Performance

Size	Catalog Fail-Safe	Watts	CA08	LPW	CA125	LPW	CP125	LPW	CP187	LPW	CP250	LPW	CP250	LPW
1x4	FSP-14-26-30-XXXXX	25.5	2790	109.4	2798.9	109.8	2748	107.8	2648	103.9	2627	103.0	2463	96.6
	FSP-14-26-35-XXXXX	25.5	3100	121.6	3109	121.9	3053	119.7	2942	115.4	2918	114.4	2736	107.3
	FSP-14-26-40-XXXXX	25.5	3106	121.8	3115	122.2	3059	119.9	2948	115.6	2924	114.7	2742	107.5
	FSP-14-30HE-35-XXXXX	24.5	3090	126.3	3099	126.6	3043	124.3	2932	119.8	2908	118.8	2727	111.4
	FSP-14-30HE-40-XXXXX	24.5	3106	126.8	3115	127.2	3059	124.8	2948	120.3	2924	119.3	2742	111.9
	FSP-14-42-35-XXXXX	38.3	4165	108.7	4178	109.1	4101	107.1	3953	103.2	3921	102.4	3676	96.0
	FSP-14-42-40-XXXXX	38.3	4133	107.9	4145	108.2	4070	106.3	3922	102.4	3890	101.6	3648	95.2
	FSP-14-42-50-XXXXX	38.3	4224	110.2	4237	110.5	4160	108.5	4010	104.6	3977	103.7	3729	97.3
2x2	FSP-22-21-30-XXXXX	20.7	2311	111.6	2318	112	2276	110	2193	106	2175	105.1	2040	98.5
	FSP-22-21-35-XXXXX	20.7	2383	115.1	2391	115	2347	113	2262	109	2243	108.4	2104	101.6
	FSP-22-21-40-XXXXX	20.6	2567	124.6	2575	125	2528	123	2437	118	2417	117.3	2266	110.0
	FSP-22-25HE-35-XXXXX	19.6	2552	130.2	2560	131	2513	128	2422	124	2402	122.6	2253	114.9
	FSP-22-25HE-40-XXXXX	19.6	2339	119.3	2346	120	2304	118	2220	113	2202	112.3	2065	105.3
	FSP-22-32-35-XXXXX	28.8	3234	112.2	3244	113	3185	111	3069	107	3044	105.6	2855	99.0
	FSP-22-32-40-XXXXX	29.2	3259	111.6	3270	112	3210	110	3094	106	3068	105.1	2877	98.5
	FSP-22-32-50-XXXXX	30.0	3257	108.6	3267	109	3208	107	3092	103	3066	102.2	2875	95.8
	FSP-22-42-35-XXXXX	38.8	4234	109.1	4247	109	4170	107	4019	104	3986	102.7	3738	96.3
	FSP-22-42-40-XXXXX	38.3	4366	114.1	4380	114	4300	112	4144	108	4110	107.4	3854	100.7
	FSP-22-42-50-XXXXX	38.3	4471	116.8	4485	117	4403	115	4244	111	4209	109.9	3947	103.1
2x4	FSP-24-31-30-XXXXX	28.6	3396	118.9	3407	119.3	3345	117.1	3224	112.9	3197	111.9	2998	105.0
	FSP-24-31-35-XXXXX	29.3	3657	124.6	3669	125.0	3602	122.7	3472	118.3	3443	117.3	3229	110.0
	FSP-24-31-40-XXXXX	29.4	3714	126.1	3725	126.5	3657	124.2	3525	119.7	3496	118.7	3278	111.4
	FSP-24-38HE-35-XXXXX	28.5	3764	132.1	3775	132.5	3707	130.1	3572	125.4	3543	124.4	3322	116.6
	FSP-24-38HE-40-XXXXX	28.9	3696	128.1	3708	128.5	3640	126.2	3508	121.6	3480	120.6	3263	113.1
	FSP-24-47-35-XXXXX	41.4	4608	111.3	4622	111.7	4538	109.6	4373	105.7	4337	104.8	4067	98.3
	FSP-24-47-40-XXXXX	41.4	4581	110.7	4595	111.0	4512	109.0	4348	105.0	4313	104.2	4044	97.7
	FSP-24-47-50-XXXXX	41.4	4556	110.0	4570	110.4	4487	108.4	4324	104.5	4289	103.6	4022	97.1
	FSP-24-64-35-XXXXX	60.3	6260	103.8	6280	104.1	6165	102.2	5942	98.5	5893	97.7	5526	91.6
	FSP-24-64-40-XXXXX	62.2	6687	107.5	6707	107.9	6585	105.9	6347	102.1	6295	101.2	5903	94.9
FSP-24-64-50-XXXXX	61.5	6336	103.0	6355	103.3	6239	101.4	6013	97.8	5964	97.0	5593	90.9	

## FSP Cross-section (typical)



\*1x4 shown but same seal method applies for 2x2 and 2x4



## Product Specifications

### Construction

- Narrow aluminum extruded frame is tightly held to steel back plate
- Seamless corners to maximize the light emitting surface with a refined finish
- Full coverage bottom lens seals the fixture

### Mounting

- Integral grid locking clips and separate suspension clips provided for installation flexibility when additional retention is required
- Junction box constructed of galvanized steel with and easy access hinged door
- Trade size knockouts provided
- Luminaire is less than 2" depth with CA08 acrylic lens
- Optional drywall accessory kit for installation in hard-lid for wet location or vandal resistant applications

### Controls

- Standard UNV 120 - 277V driver with 0-10V dimming to 10% standard
- 1% dimming driver available

### Electrical

- Standard and high efficacy models available
- LED's available in 3000K, 3500K, 4000K, and 5000K with a minimum of 80 CRI
- Projected lumen maintenance based on TM21 testing standards is L70 > 60,000 hours
- Emergency battery pack options available, 7W and 14W

### Gasketing

- High strength double-sided adhesive lens gasket firmly secures and seals the outer lens to the luminaire
- Closed cell gasket seals between fixture and T-grid

### Optical Shielding

- Inner frosted smooth acrylic lens for uniform illumination
- Outer clear acrylic or polycarbonate lens to protect fixture from water or impact

### Compliance

- Indoor luminaire, cULus listed for 50°C ambient environments. IC rated for direct insulation contact
- RoHS compliant. UL Wet Location Listed

- NSF rated; Splash, Non-Food Zone - which is a typical rating for lighting equipment not subjected to direct food contact. (e.g. ceiling mount luminaires). Examples of equipment subjected to direct food contact would be cutting boards, work-tables, mixers, can-openers, other)
- Tested for ISO 5 compliance. ISO3 and ISO4 environments typically employ uni-directional vertical air-flow and a ventilated raised floor to remove airborne particles. Not uncommon for the entire ceiling to be either HEPA or ULPA filters. Filtered air is continually directed downward, passing through the ventilated raised floor, and recirculated – to remove more of the airborne particles than are created. Often, laminar-flow surface mount luminaires are used to illuminate the space. With proper air flow and air exchanges, proper installation, this non-shedding luminaire is acceptable for use in ISO3-9 environments.
- IP65/IP66 optional
- IK10 tested - outer polycarbonate lens
- BSL1-4 and USP 797/800 compliant with IP66 option. Other options allowed.

### Warranty

- Five year limited warranty on LEDs and electrical